

- * SWBAT define and find "Net Force"
- * SWBAT use the scientific method to create and complete an experiment, recording the learning in a Vee Chart.

Sep 6-2:31 PM

Welcome!!!

SECA Physics
Wednesday 23 September 2015

H. Leslie Grebe

New people?

- * Pick up:
 - 'Apple' sheet
 - whiteboard, marker, cloth eraser
 - small slip of paper (for later)



Opening Activity:

- Please put your NAME on the apple sheet
- Answer who you agree with most and **why**

We'll have our daily 3 questions...

Sep 7-7:04 AM

- * Prizes
- * Participation points reminder...
- * Comment corner

For each question, answer "Yes" or "No"

Would the guy on the video agree that science is...

1. Biased (has assumptions)? **YES**

2. Certain / absolute? **NO**

3. **Based** on belief? **NO**
STARTS WITH

CENTERING

Sep 14-7:28 AM

Big Idea for the Day:

What the heck is a "Net Force"?

A Force is...
A PUSH OR A PULL

NET FORCE
COMBINATION OR SUM
OF ALL FORCES



UNITS?
NEWTONS
N

EXAMPLE:

NET INCOME

+\$10
-\$2
-\$1
+\$6

Sep 16-2:23 PM

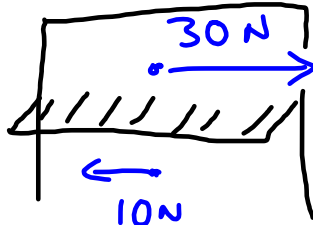
FORCE IS A PUSH OR A PULL
 VECTOR: HAS SIZE & DIRECTION

A FORCE IS A VECTOR

3 THINGS
 - SIZE
 - UNITS
 - DIRECTION

-
N

$$\begin{array}{l} \xrightarrow{5} + \xrightarrow{5} = \xrightarrow{10} \\ \xrightarrow{5} + \xleftarrow{5} = 0 \\ \xrightarrow{5} + \xrightarrow{10} = \xrightarrow{15} \\ \xrightarrow{5} + \xleftarrow{10} = \xleftarrow{5} \\ \xrightarrow{5} + \xleftarrow{15} = \xleftarrow{10} \\ \uparrow 10 + \downarrow 5 = \uparrow 5 \end{array}$$



+
S

NET FORCE:

$$\begin{array}{r} +30N \\ -10N \\ \hline +20N \text{ S} \end{array}$$

Sep 17-8:21 AM

Our 3 Questions

- * Most periods except test/project times
- * 3 Questions on the topics of the class
- * Main source of classwork points
- * I am happy to give full credit when I have no concerns about someone giving or getting help with the answers.

You can't get your points if you don't have your NAME!!!

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

1. A **force** is a **push** or a **PULL**.
2. A **vector** has **size** and **DIRECTION**.
3. The standard units for force are
 - A. Newtons (N)
 - B. Meters (m)
 - C. Liters (L)

Sep 14-7:28 AM

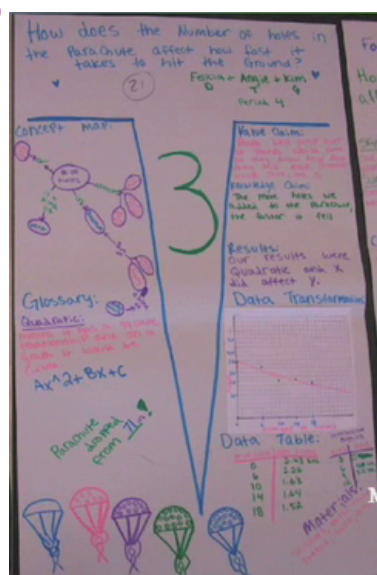
The Vee Chart:

Shows what we found out from an experiment.

Someone from group

Tell...

- What was your focus question?
- What does your data show?
- One thing surprising or interesting



Sep 9-7:20 AM